

ASCLD/LAB-International

STATEMENT OF QUALIFICATIONS

Name	Sherri L Hughes-Murphree	Date	September 15, 2014
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Laboratory	State of Alaska Scientific Crime Detection Laboratory
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Job Title	Forensic Scientist II
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Indicate all disciplines in which you do casework:

<input type="checkbox"/>	Drug Chemistry	<input type="checkbox"/>	Toxicology
<input type="checkbox"/>	Firearms/Toolmarks	<input type="checkbox"/>	Biology
<input type="checkbox"/>	Trace Evidence	<input type="checkbox"/>	Questioned Documents
<input type="checkbox"/>	Latent Prints	<input type="checkbox"/>	Crime Scene
<input type="checkbox"/>	Digital & Multimedia Evidence		

List all category(ies) of testing in which you do casework:

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Breath Alcohol Calibration Categories

<input type="checkbox"/>	Toxicology - Breath Alcohol Measuring Instruments (The work of the laboratory MUST include calibration certificates- do not check the box if work is limited to breath/alcohol testing)
<input type="checkbox"/>	Toxicology - Breath Alcohol Calibration Reference Material

Education: List all higher academic institutions attended (list high school only if no college degree has been attained)

Institution	Dates Attended	Major	Degree Completed
Greenville Technical College	2004-2006	Biotechnology	A.S.
Clemson University	2006-2008	Genetics	B.S.
Clemson University	2009-2011	Genetics	M.S.

Other Training: List continuing education, workshops, in-service and other formal training received. Please include the course title, source and date of the training.

<ul style="list-style-type: none"> •Hair Evaluation for DNA Analysis, WVU online; September 2014 •Bloodstain Pattern Analysis I, Bevel Gardener & Associates; August 2014 •2014 NIJ Non-STR DNA Markers: SNPs, Y-STRs, LCN and mtDNA •2014 NIJ Law 101: Legal Guide for the Forensic Expert •2014 NIJ Communication Skills, Report Writing, and Courtroom Testimony for Forensic Analysts •2014 NIJ Population Genetics and Statistics for Forensic Analyst •2014 NIJ STR Data Analysis and Interpretation for Forensic Analysts •2014 Annual Review of DNA Data Accepted at NDIS; DOJ FBI CODIS division; Jan. 2014 •FBI New CODIS Administrator Training; Nov. 2013 •International Symposium on Human Identification, Advanced Topics in Forensic Mixture Analysis: Statistics to Technology; Atlanta, Ga. 2013 •Quality Assurance Standard & Auditor Training; DOJ FBI CODIS division; June 2013 •2013 Annual Review of DNA Data Accepted at NDIS; DOJ FBI CODIS division; April 2013 •2012 Annual Review of DNA Data Accepted at NDIS; DOJ FBI CODIS division; Jan. 2013 •CODIS 7.0 Training; DOJ FBI CODIS division; Jan. 2013 •International Symposium on Human Identification, Mixture Interpretation Workshop; Nashville, TN;
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Oct. 2012

- Ethics in Forensic Science; West Virginia University; Oct. 2012
- Perspectives in Expert Testimony; West Virginia University; July 2012
- Evidence Analysis: Beyond the Crime Scene; West Virginia University; June 2012
- S.C. Criminal Justice Academy; Class III officer certification, Feb. 2012

Courtroom Experience: List the discipline/category(ies) of testing in which you have qualified to testify as an expert witness and indicate over what period of time and approximately how many times you have testified in each.

Biological Screening and DNA Analysis, August 2012- July 2014; 2 pre-trials

Professional Affiliations: List any professional organizations of which you are or have been a member. Indicate any offices or other positions held and the date(s) of these activities.

Employment History: List all scientific or technical positions held, particularly those related to forensic science. List current position first. Be sure to indicate employer and give a brief summary of principal duties and tenure in each position.

Job Title	Forensic Scientist II	Tenure	August 2014-present
Employer	State of Alaska Crime Detection Laboratory		
Provide a brief description of principal duties:			

Job Title	DNA Analyst/ CODIS Administrator	Tenure	August 2011-July 2014
Employer	Greenville County DPS Forensics		
Provide a brief description of principal duties:			
Biological screening, DNA Analysis, Maintenance and Supervision of CODIS			

Job Title	Graduate Research Scientist	Tenure	August 2009-August 2011
Employer	Clemson University Genetics & Biochemistry Dept.		
Provide a brief description of principal duties:			
Reserached and reported on DNA methylation in QTL chilling regions in Prunus persica			

Job Title	Genetics lab lecturer	Tenure	Summers 2011 & 2012
Employer	Greenville Technical College		
Provide a brief description of principal duties:			
Educating high school teachers on how to instruct and perform high school Biotech and Genetics labs			

Job Title		Tenure	
Employer			
Provide a brief description of principal duties:			

Other Qualifications: List below any scientific publication and/or presentation you have authored or co-authored, research in which you are or have been involved, academic or other teaching positions you have held, and any other information which you consider relevant to your qualification as a forensic scientist.
(Use additional sheets if necessary.)

- CTGN International Symposium on Genomics-Based Breeding in Forest Trees, UCDavis, August 2011, (Poster) DNA Methylation Profiles Differ Between High and Low Chill Vegetative Buds in (Prunus Persica L. Batsch) trees
- Plant and Animal Genome Conference, San Diego, January 2011, (Poster) Dynamic Pattern of DNA Methylation During Chill Hour Accumulation in Leaf Buds of High and Low Chill Peach Tree Individuals

- 8th Annual Ecological Genomics Symposium, Kansas State, November 2010, (Poster) DNA Methylation Profiles Differ Between Low & High Chill Peach (*Prunus persica* L.) trees
- Research in Progress Seminar, Clemson University, September 2010 (presentation) From Genetics to Epigenetics for Chilling Requirement Control in *Prunus persica*
- Senior Research Conference (491 day), Clemson University, December 2008 (presentation) Genetic Resources to Understanding the Suppression of Supernodulation Combined with Molecular Analysis of a Floral Phenotype in *Medicago truncatula*